

IN THE DRAWINGS

The attached sheets of drawings include changes to Figs. 1B, 7A, 7B, 8A and 8B. These sheets, which include Figs. 1B, 7A, 7B, 8A and 8B, replace the original sheets including Figs. 1B, 7A, 7B, 8A and 8B.

Attachment: Replacement Sheets (2)

REMARKS/ARGUMENTS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1 and 2 are active in the present application. Claims 1 and 2 are amended by the present amendment. Claims 3-10 stand withdrawn in response to a previous restriction.

In the outstanding Office Action, the drawings were objected to; Claims 1 and 2 were rejected under 35 U.S.C. § 112, second paragraph; and Claims 1 and 2 were rejected under 35 U.S.C. § 102(e) as anticipated by U.S. Patent No. 6,847,284 to Gamou et al. (herein "Gamou").

Further, Applicant notes that the Examiner has not indicated consideration of the U.S. Patents listed in the IDS, filed on February 11, 2004. Accordingly, Applicant respectfully requests an initialed copy of PTO Form 1449 indicating consideration of the U.S. Patents listed in the IDS on February 11, 2004.

Regarding the objection to the drawings, Fig. 1B is amended to include labels for width of a wire layer, width of a coil interval space, and thickness of one layer. In addition, the specification is amended at page 21, line 19, to correctly indicate that there are three wire layers in the example of Figure 1B. Further, Figures 7A-8B are designated with an appropriate legend, as required by the Office Action. Accordingly, it is respectfully requested the objections to the drawings be withdrawn.

In addition, regarding the rejection of claims under 35 U.S.C. § 112, second paragraph, Claim 1 is amended to more clearly point out that the wire layers are made from a base electrode layer or a plurality of plating layers. Further, Claim 1 is amended to more clearly indicate that the core members are disposed so that it is located on a path of magnetic line of force generated by the coil. In addition, Claim 1 is amended to more clearly indicate the base electrode is formed by a thin film forming process and the plurality of plating layers

are formed by a plating process. The base electrode layer is supported by the description on page 22, lines 6-9 in the specification. The plating layers are supported by the description, e.g., on page 22, line 25 to page 23, line 9. The structure of the metal of the base electrode layer formed by a thin film forming process such as vapor deposition and sputtering, is quite different from that of the plating layer formed by a plating process, as is well known in the art. Hence, the claims are amended to more clearly point out these structural features.

Finally, Claim 2 is amended to properly introduce a width of the wire layers, as shown in amended Figure 1B. Accordingly, Applicant respectfully requests the rejections under 35 U.S.C. § 112, second paragraph, be withdrawn.

Further, Applicant respectfully traverses the rejection of Claims 1 and 2 under 35 U.S.C. § 102(e) as anticipated by Gamou.

Claim 1 is directed to a high density inductor including a coil having a spiral shape, and a core member disposed in such a way as to be located on a path of a magnetic line of force generated by the coil. The coil has a form in which a plurality of wire layers each of which is made from a base electrode layer or a plurality of plating layers, are piled up in a thickness direction to make a wire of the coil. The base electrode layer is formed by a thin film forming process and the plating layers are formed by a plating process.


As described above, a wire forming a coil of the present invention is made by piling up the plurality of wire layers, which thereby act as one metal layer. Gamou shows a coil in which wires 22 are piled up in the thickness direction by sandwiching the insulating sheet 20. That is, the plurality of wires 20 aligned in the thickness direction do not act as one metal layer. Accordingly, Applicant respectfully submits that Gamou fails to teach or suggest a coil having wire layers acting as one metal layer, or in particular, a coil in which each wire layer “is made from a base electrode layer or a plurality of plating layers...formed by a plating process,” as recited in Claim 1.

Accordingly, Applicant respectfully submits independent Claim 1 and claims depending therefrom are allowable.

Consequently, in light of the above discussion and in view of the present amendment, the present application is believed to be in condition for allowance and an early and favorable action to that effect is respectfully requested.

Respectfully submitted,

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